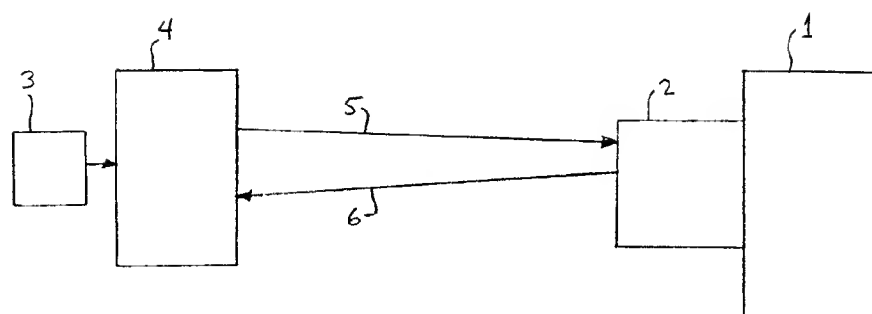FIG. 1

PRIOR ART

```
select distinct partnumber, count(*) as total
from ayleweb.plyopers
group by partnumber
```

FIG. 2A
PRIOR ART

PARTNUMBER	TOTAL
66P3399	64
66P7319	59
76P5362	30
76P5427	34

FIG. 2B
PRIOR ART

```
select xvar, yvar from schema.table
    plot as <charttype> var <column> on xaxis as '<label>',
        {<column> on ylaxis as '<label>', ...}
{title1 = '<titletext>'}{title2 = '<titletext>'}
{footnote1 = '<footertext>'}{footnote2 = '<footertext>'}
{file = '<filename>'}{imagetype = '<imagetype>'}
{xsize = <size>}{ysize = <size>}
{legend [none|right|left|bottom]}
```

FIG. 3

```
51 {  select distinct partnumber, count(*) as total
      from ayleweb.plyopers
      group by partnumber
52 {  plot as vbar var partnumber on xaxis as 'partnumber',
      total on ylaxis as 'total'
      title1 = 'total plyopers by partnumber'
      footnote1 = 'robert redburn'
```
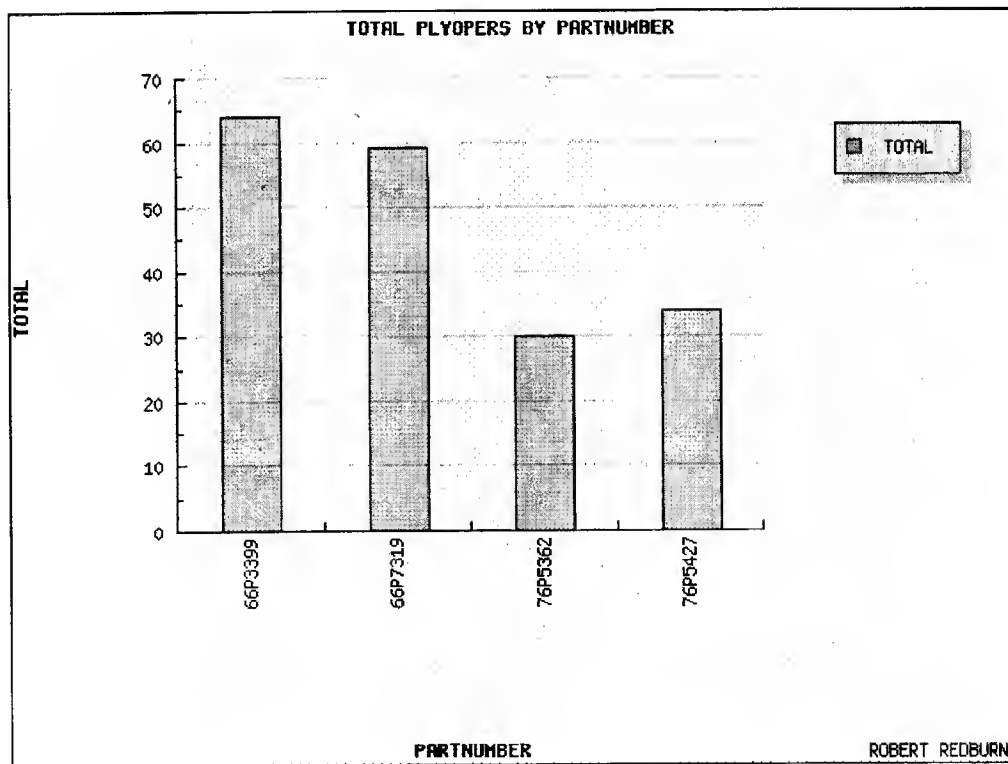
FIG. 4A

FIG. 4B

Widgets per Quarter

```
          |                           *  *  *  *
40 |      |                     *  *  *  *  *  *
   |      |                     *  *  *  *  *  *
30 |      |                              *
T  |      |                        *  *  *  *
O 20 |    |      *  *  *  *  *  *  *  *  *  *
A     |  |                     *  *  *  *
L 10 |  |                        *  *  *
   0 |  |----------------------------------
          Q  Q  Q  Q  Q  Q  Q  Q
          1  2  3  4  1  2  3
          0  0  0  0  0  0  0
          3  3  3  3  4  4  4
```
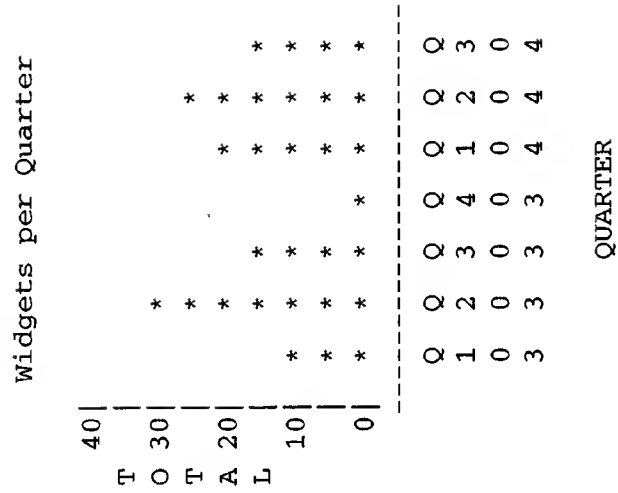
QUARTER

FIG. 4C

61
    select distinct (chip/100) as chipx,
       chip-((chip/100)*100) as chipy, (chip/100) as chipx2,
       30-(chip/100)*2 as chipy2
    from ayleweb.aprcsegmentdata
    where wafer = 'HJDGP0G'
62 — plot as scatter var chipx on xaxis as 'chip x',
    chipy on y1axis as 'chip y',
    chipx2 on y2axis as 'y2chip'
    title1 = 'random chip coordinates'
    title2 = 'second title'
    footnote1 = 'robert redburn'
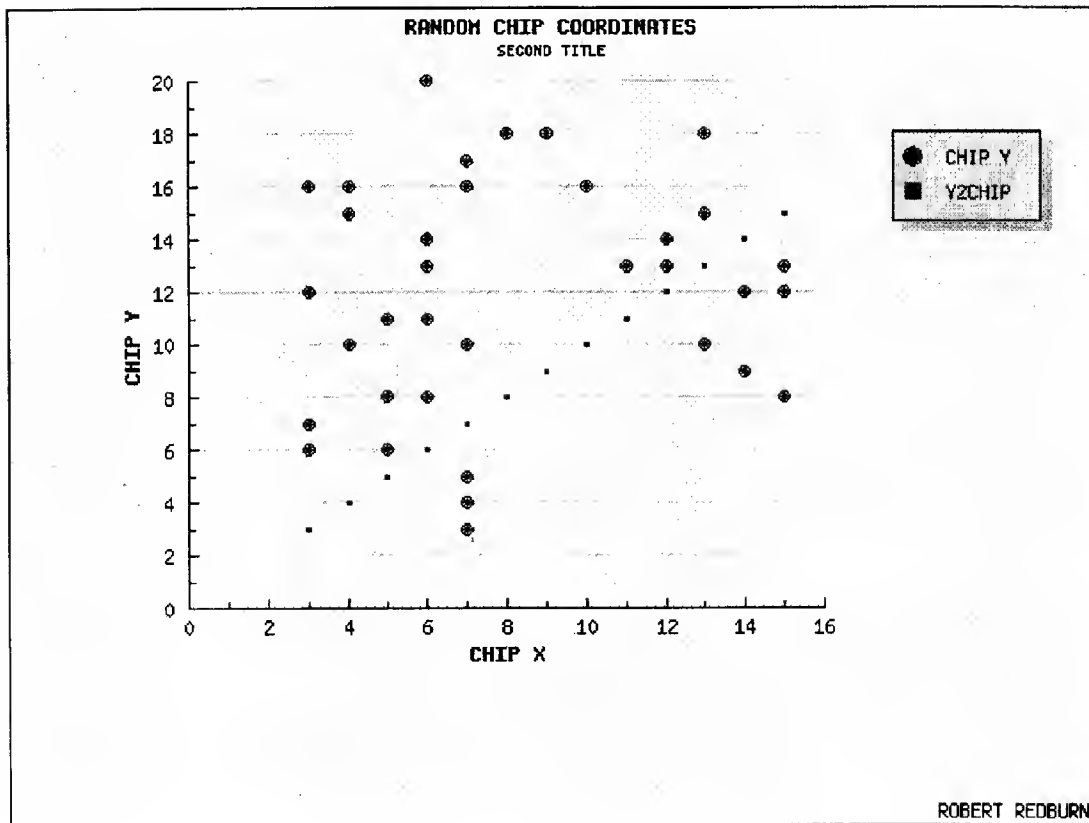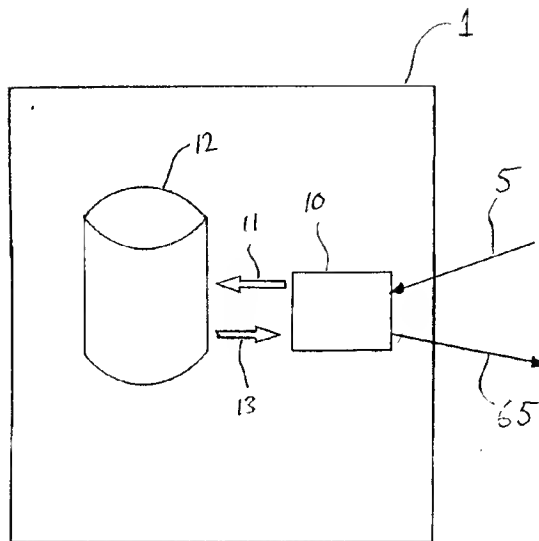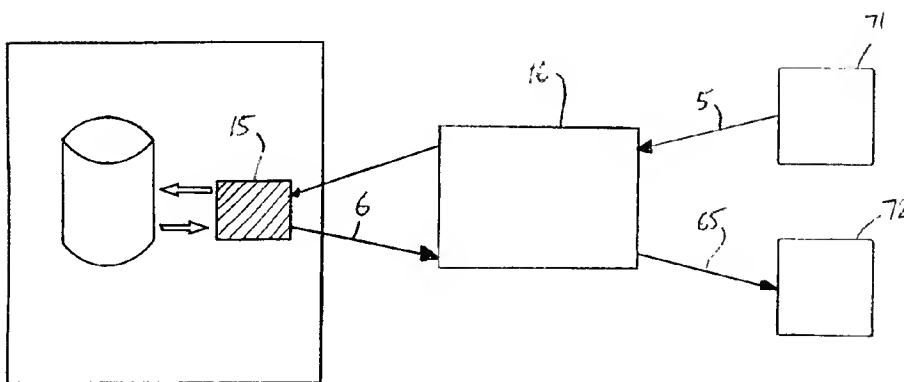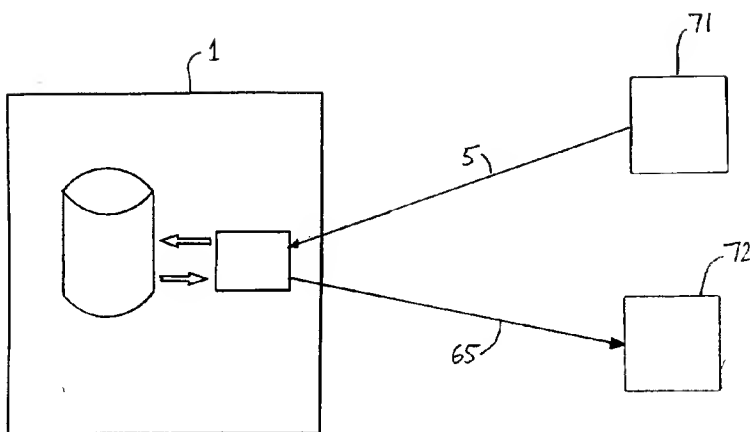   xsize = 600 ysize = 450

FIG. 5A

FIG. 5B

FIG. 6

FIG 7A

FIG. 8A

FIG. 7B

Accept Query 801

Is Query Valid? 802

Return Error

Separate Regular SQL 803

Connect to Database 804

Send SQL Query To Database 805

Receive Data From Database 806

Disconnect from Database 807

1

Input Device 71

Is Plot Requested? 808

N

Return Raw Data 809

Y

Create Plot Using Plot SQL Options 810

Return Image 811

Output Device 72

16

FIG. 8B